

Why buy an IBM® XT when you can buy an IBM PC or compatible, our Pegasus XT Conversion Kit, and save yourself almost \$1,600?

For \$1,295 you can buy our internal 10 megabyte hard disk system installed in an IBM PC or compatible of your choice.

Think about it. When you consider buying an IBM XT or XT look-alike, you're after large storage, the convenience of IBM compatible software, and the peace of mind associated with a quality product. But one thing you're not looking for is paying more than you have to.



The Savings

If you buy an IBM XT, it's going to cost you \$4,995 for the XT system unit. You'll get 10 megabytes of hard disk storage, one 320 Kbytes floppy disk drive, 8 slots, a \$120 asynchronous communication adaptor, 128K of RAM and the three IBM initials.

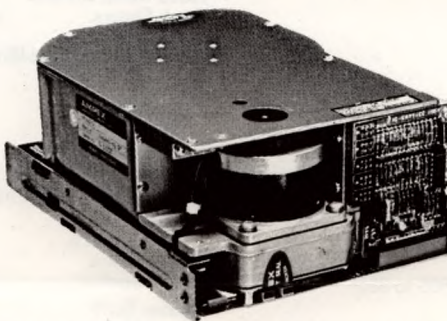
We recommend instead, that you buy the IBM PC for \$2,104. You'll get one 320 Kbyte floppy disk drive, 5 slots, 64K of RAM, the same three IBM initials, a space for your dealer to put the Pegasus XT Conversion Kit, and an extra \$2,891 to buy it with. But since the Pegasus XT Conversion Kit costs only \$1,295 installed, you'll have an extra \$1,596 — almost \$1,600 — left over. With many compatibles you'll have even more.

But if you already own an IBM PC and were thinking you'd just get the

XT expansion chassis, we have a surprise for you. If you add the \$1,295 cost of the Pegasus XT Conversion Kit to the \$2,104 price of an IBM PC, you can have a second computer — instead of a dumb box — for less than the price of the XT expansion chassis.

Hard Disk Quality

Now, before you start thinking that IBM's hard disk is better than ours, remember that IBM doesn't make their own hard disk for the IBM XT. They go into the marketplace, just like we do, and strike the best price they can. If you were to buy an IBM XT, your hard disk might come from one



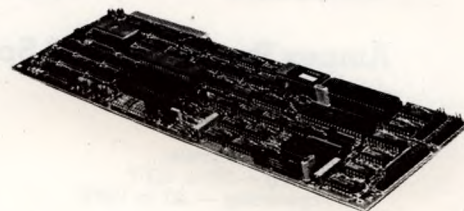
of four manufacturers. It's possible, in fact, that the IBM XT might have the same hard disk that you'd get in our Pegasus XT Conversion Kit.

The Role of the Controller

But the hard disk is not the whole story. It takes a controller card to get your files from the hard disk to your computer so you can use them.

The IBM XT has a good controller card. Unfortunately, it is not designed to take advantage of some of the ad-

vances in hard disk technology. Our controller card will work with our 10 megabyte hard disk all the way up to our 140 megabyte hard disk — and everything in between. With the IBM XT controller, you're limited to four manufacturers. The Pegasus controller board, on the other hand, configures to whatever hard disk you may want to install in the future. There is virtually no limit on hard disk size or number of manufacturers you can use.



Larger Disks

Pegasus offers an entire line of hard disks. You can expand your IBM PC far beyond the storage of the IBM XT. You can add our 23 megabyte hard disk for only \$1,995, or our 40 megabyte for only \$800 more. And if you really need storage, we offer a 65 and 140 megabyte hard disk that slides right into the same space that IBM and the compatible manufacturers put their 10 megabytes.

So, before you decide to spend more money than you have to, consider the Pegasus XT Conversion Kit. You'll get dealer support, the same 90 day warranty IBM gives, and have enough money left over to buy one of our larger hard disks. And isn't larger storage why you were looking at the hard disk in the first place? Contact your computer dealer today.

PEGASUS

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IBM is a registered trademark of International Business Machines, Inc. XT Conversion Kit is a trademark of Great Lakes Computer Peripherals, Inc.

Shugart SA612/Ampex Pyxis Model 13 Specifications

Physical Specifications

Environmental Limits:

Ambient Temperature:

Operating — 50° to 115°F/50° to 122°F

Non-operating — 40° to + 140°F/40° to 158°F

Temperature Gradient:

Operating — 10°F per ½ hr/18°F per hr

Relative Humidity:

Operating — 8% to 80%/10% to 85%

Non-operating — 1% to 95%/5% to 90%

Relative Humidity Variance:

Operating — 20% per hr

Elevation:

Operating — 0 to 10,000 ft.

Non-operating — -1,000 to 12,000 ft. (-305 to 3656 meters)

Acoustical: 55 dBA at 1m/54 dBA

DC Voltage Requirements:

+12 Vdc ± 5% 1.8 A typical/±10% 2.0 A typical

+5 Vdc ± 5% 0.9 A typical (1.5 A max)/± 5% 0165 A typical

Heat Dissipation = 86 BTU/hr typical (25 watts)/92 BTU/hr (27 watts)

Mechanical Dimensions without faceplate (Nominal):

Height = 3.25 in. (82.6 mm)

Width = 5.75 in. (146.1 mm)

Depth = 8.00 in. (203.2 mm)

Weight (incl. faceplate) = 5.69 lbs (2.6 kg)

Reliability Specifications

Mean Time Between Failure: 11,500 power on hours/12,000 typical usage

Preventive Maintenance: None required

Mean Time to Repair: 30 minutes

Component Life: 5 years

Error Rates:

Soft Read Errors: 1 per 10¹⁰ bits read

Hard Read Errors: 1 per 10¹² bits read

Seek Errors: 1 per 10⁶ seeks

Performance Specifications

Capacity

Unformatted

Per Drive 12.95 Mbytes/13.33

Per Surface 3.24 Mbytes/3.33

Per Track 10,416 bytes/10,406

Formatted (33 sectors/track)

Per Drive 11.46 Mbytes/11.79

Per Surface 2.5 Mbytes/2.95

Per Track 9.21 kbytes

Per Sector 512 bytes

Transfer Rate

5.0 Mbits/sec

Access Time (includes settling time)

Track to Track 16.2 msec/18

Average 92 msec/90

Maximum 216 msec/215

Average Latency

8.33 msec

Start Up Time (Typical)

12 sec

Functional Specifications

Rotational Speed 3,600 (+0, -72) rpm

Recording Density 9,300 bpi/8900 bpi

Track Density 345 tpi/360

Cylinders 311/320

Tracks 1244/1280

Read/Write Heads 4

Disks 2

Index 1

Ampex Pyxis Model 27 Specifications

Physical Specifications

Environmental Limits:

Ambient Temperature:

Operating — 50° to 122°F

Non-operating — 40° to 158°F

Temperature Gradient:

Operating — 18°F per hr

Relative Humidity:

Operating — 10% to 85%

Non-operating — 5% to 90%

Relative Humidity Variance:

Operating — 20% per hr

Elevation:

Operating — 0 to 10,000 ft.

Non-operating — -1,000 to 12,000 ft. (-305 to 3656 meters)

Acoustical: 54 dBA

DC Voltage Requirements:

±10% 2.0 A typical

± 5% 0165 A typical

Heat Dissipation = 92 BTU/hr (27 watts)

Mechanical Dimensions without faceplate (Nominal):

Height = 3.25 in. (82.6 mm)

Width = 5.75 in. (146.1 mm)

Depth = 8.00 in. (203.2 mm)

Weight (incl. faceplate) = 5.69 lbs (2.6 kg)

Reliability Specifications

Mean Time Between Failure: 12,000 typical usage

Preventive Maintenance: None required

Mean Time to Repair: 30 minutes

Component Life: 5 years

Error Rates:

Soft Read Errors: 1 per 10¹⁰ bits read

Hard Read Errors: 1 per 10¹² bits read

Seek Errors: 1 per 10⁶ seeks

Performance Specifications

Capacity

Unformatted

Per Drive 26.67 Mbytes

Per Surface 3.33 Mbytes

Per Track 10,406 bytes

Formatted (33 sectors/track)

Per Drive 23.59 Mbytes

Per Surface 2.95 Mbytes

Per Track 9.21 kbytes

Per Sector 512 bytes

Transfer Rate

5.0 Mbits/sec

Access Time (includes settling time)

Track to Track 18 msec

Average 90 msec

Maximum 215 msec

Average Latency

8.33 msec

Start Up Time (Typical)

12 sec

Functional Specifications

Rotational Speed 3,600 (+0, -72) rpm

Recording Density 8900 bpi

Track Density 360 tpi

Cylinders 320

Tracks 2560

Read/Write Heads 4

Disks 8

Index 4

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Dealer Inquiries Invited



For only \$1,495, you get a complete 10 megabyte hard disk system — ready to use.

For an additional \$895, you can order or install later our 23 megabyte tape backup.

The Pegasus 10 comes complete with all the software and hardware you need to start operations.

If you've outgrown the storage capabilities of your IBM PC or compatible computer but haven't grown into the giant pricetags on 10 Mbyte hard disk systems, you're in for a surprise.

The price on a complete 10 Mbyte system featuring the latest components just reached an all time low!

For the first time, just \$1495 gets you everything you need to start working on your hard disk system:

- Top quality 10 Mbyte (formatted) fixed hard disk (ST506 compatible)
- Top quality controller card
- Software that runs on DOS 1.1 and 2.0, CP/M 86
- Host adapter
- Integral power supply
- Cables
- External custom chassis with additional space for either our tape backup, another hard disk, or floppy disk drive.
- 90 day warranty

What's the catch?

There is none. It's a simple matter of economics. Pegasus saw the growing need for mass storage, made a commitment to fill this need, purchased thousands of the finest quality hard disks, and is now passing the good deal along to you.

The only thing you may be missing in buying the Pegasus instead of the IBM XT expansion chassis is something you may not need in the first place: eight expansion slots, a communications card, three little initials, and an extra \$2,000 out of your pocket.

What about support?

Pegasus and your dealer stand behind every Pegasus 10. If your unit requires maintenance anytime during the 90 day warranty, simply return it to your dealer for repair at no charge for parts or service.

But don't I need a tape backup?

We recommend it! That's why we're offering you the

same great deal on a 1/4" cartridge tape backup. We've watched other companies offer 10 Mbytes of storage and forget about the backup altogether. Our tape backup, which carries a 90 day warranty, retails for just \$895 — a small price for over 23 Mbytes of formatted storage and lots of peace of mind.

Where can I buy a Pegasus 10 Mbyte system?

Pegasus systems are available only through dealers. So contact the dealer in your area who sells IBM PC or compatible computers. If he doesn't have Pegasus, chances are he'll carry it soon. Just ask him to call us. We will ship him your Pegasus 10 immediately.

Does Pegasus have larger storage systems?

23 Mbytes now, 65, and 140 Mbyte systems will soon be available from Pegasus. And the best part is that they, too, are breaking new ground when it comes to pricing. If you've outgrown 10 Mbytes of storage, ask about the larger capacity units. All with the same top quality hardware and software and full 90 day warranty.

HARD DISK SPECIFICATIONS

Over 12.90 Mbytes unformatted
Over 11.40 Mbytes formatted
5.0 Mbits/sec transfer rate
Over 16 msec access time track to track
Less than 93 msec average access time
345-360 tracks per inch
MTBF better than 11,500 hours

TAPE DRIVE SPECIFICATIONS

23 Mbytes formatted
4 recording tracks
Transfer rate (read/write): 90 Kbytes/sec.
90 ips streaming
1/4 inch tape cartridge (555 feet certified @ 10,000 BPI)
Archive compatible

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Dealer Inquiries Invited

Shugart SA612/Ampex Pyxis Model 13 Specifications

Physical Specifications

Environmental Limits:

Ambient Temperature:

Operating — 50° to 115°F/50° to 122°F

Non-operating — 40° to + 140°F/40° to 158°F

Temperature Gradient:

Operating — 10°F per ½ hr/18°F per hr)

Relative Humidity:

Operating — 8% to 80%/10% to 85%

Non-operating — 1% to 95%/5% to 90%

Relative Humidity Variance:

Operating — 20% per hr

Elevation:

Operating — 0 to 10,000 ft.

Non-operating — -1,000 to 12,000 ft. (-305 to 3656 meters)

Acoustical: 55 dBA at 1m/54 dBA

DC Voltage Requirements:

+12 Vdc ± 5% 1.8 A typical/±10% 2.0 A typical

+5 Vdc ± 5% 0.9 A typical (1.5 A max)/± 5% 0.165 A typical

Heat Dissipation = 86 BTU/hr typical (25 watts)/92 BTU/hr (27 watts)

Mechanical Dimensions without faceplate (Nominal):

Height = 3.25 in. (82.6 mm)

Width = 5.75 in. (146.1 mm)

Depth = 8.00 in. (203.2 mm)

Weight (incl. faceplate) = 5.69 lbs (2.6 kg)

Reliability Specifications

Mean Time Between Failure: 11,500 power on hours/12,000 typical usage

Preventive Maintenance: None required

Mean Time to Repair: 30 minutes

Component Life: 5 years

Error Rates:

Soft Read Errors: 1 per 10¹⁰ bits read

Hard Read Errors: 1 per 10¹² bits read

Seek Errors: 1 per 10⁶ seeks

Performance Specifications

Capacity

Unformatted 12.95 Mbytes/13.33

Per Drive 3.24 Mbytes/3.33

Per Surface 10,416 bytes/10,406

Per Track

Formatted (33 sectors/track)

Per Drive 11.46 Mbytes/11.79

Per Surface 2.5 Mbytes/2.95

Per Track 9.21 kbytes

Per Sector 512 bytes

Transfer Rate

5.0 Mbits/sec

Access Time (includes settling time)

Track to Track 16.2 msec/18

Average 92 msec/90

Maximum 216 msec/215

Average Latency

8.33 msec

Start Up Time (Typical)

12 sec

Functional Specifications

Rotational Speed 3,600 (+0, -72) rpm

Recording Density 9,300 bpi/8900 bpi

Track Density 345 tpi/360

Cylinders 311/320

Tracks 1244/1280

Read/Write Heads 4

Disks 2

Index 1

Wangtek Series 5000

Streaming ¼" Cartridge Tape Drive Specifications

Drive Performance

Capacity: 23 MB, 512 byte sectors

No. Recording Tracks: 4 tracks

Recording Mode: single track serpentine

Recording Code GCR (Group Code Recording)

Recording Density 8,000 bits/in.

Transfer Rate (Read/Write): 90 kbytes/sec.

Tape Motion: 90 ips streaming

Environmental (Operating)

Temperature: +5°C to +45°C

Relative Humidity: 20% to 80% non-condensing

Altitude: -2000 ft. to +15,000 ft.

Data Integrity

Read Error (Recoverable): less than 1 in 10⁸ bits

Read Error (Non-Recoverable): less than 1 in 10¹⁰ bits

Power

DC Voltage:

+12 VDC ±10% @ 1.6 amp (nominal)

+5 VDC ±5% @ 1.0 amp (max.)

Power Dissipation:

30 watts nominal

Physical Characteristics

5¼-Inch Form Factor

Depth: 8.0 in.

Width: 5.75 in.

Height: 1.625 in.

Weight: 3 lbs.

Cartridge Lock

positive lock prevents cartridge movement during operation

Front Loading

Media

¼-Inch Tape Cartridge

555 ft. certified @ 10,000 bits/in.

Interface

Archive Compatible

Format

QIC 24

Pegasus 10 Specifications

Height 5.5"

Width 14"

Depth 14.5"

Weight 29 pounds with one hard disk

Power 110 Volts AC 60 Hz at 2 amps.

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Dealer Inquiries Invited



**Now you can get a complete, ready to use,
23 megabyte hard disk system for your IBM PC
or compatible for only \$2,249.**

**For an additional \$895 you can order or install later
our 23 megabyte tape backup.**

**The Pegasus 23 comes complete with all
the software and hardware you need to
start operations.**

If you've outgrown the storage capabilities of your IBM PC or compatible computer but haven't grown into the giant pricetags on 23 Mbyte hard disk systems, you're in for a surprise.

The price on a complete 23 Mbyte system featuring the latest components just reached an all time low!

For the first time, just \$2,249 gets you everything you need to start working on your hard disk system:

- Top quality 23 Mbyte (formatted) fixed hard disk (ST506 compatible)
- High quality controller card
- Software that runs on DOS1.1 and 2.0, CP/M 86
- Host adapter
- Integral power supply
- Cables
- External custom chassis with additional space for either our tape backup, another hard disk, or floppy disk drive.
- 90 day warranty

What's the catch?

There is none. It's a simple matter of economics. Pegasus saw the growing need for mass storage, made a commitment to fill this need, purchased thousands of the finest quality hard disks, and is now passing the good deal along to you.

The only thing you may be missing in buying the Pegasus instead of the IBM XT expansion chassis is something you may not need in the first place: eight expansion slots, a communications card, three little initials, and an extra \$1,150 out of your pocket. Of course, you'll have 130% more storage.

What about support?

Pegasus and your dealer stand behind every Pegasus 23. If your unit requires maintenance anytime during the 90 day warranty, simply return it to your dealer for repair at no charge for parts or service.

But don't I need a tape backup?

We recommend it! That's why we're offering you the

same great deal on a 1/4" cartridge tape backup. We've watched other companies offer 20 Mbytes of storage and forget about the backup altogether. Our tape backup, which carries a 90 day warranty, retails for just \$895 — a small price for over 23 Mbytes of formatted storage and lots of peace of mind.

Where can I buy a Pegasus 23 Mbyte system?

Pegasus systems are available only through dealers. So contact the dealer in your area who sells IBM PC or compatible computers. If he doesn't have Pegasus, chances are he'll carry it soon. Just ask him to call us. We will ship him your Pegasus 23 immediately.

Does Pegasus have other storage systems?

Absolutely. 10 now and 65, and 140 Mbyte systems will be available from Pegasus soon. And the best part is that they, too, are breaking new ground when it comes to pricing. If you've outgrown 23 Mbytes of storage, ask about the larger capacity units. All with the same top quality hardware and software and full 90 day warranty warranty.

HARD DISK SPECIFICATIONS

26.67 Mbytes unformatted
23.59 Mbytes formatted
5.0 Mbits/set transferrable
18 msec access time track to track
215 msec access time average
360 tracks/inch
Mean time between failure: 12,000
power on hours

TAPE DRIVE SPECIFICATIONS

23 Mbytes formatted
4 recording tracks
Transfer rate (read/write): 90
Kbytes/sec.
90 ips streaming
1/4 inch tape cartridge (555 feet certified
@ 10,000 BPI)
Archive compatible

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Ampex Pyxis Model 27 Specifications

Physical Specifications

Environmental Limits:

Ambient Temperature:

Operating — 50° to 122°F

Non-operating — 40° to 158°F

Temperature Gradient:

Operating — 18°F per hr

Relative Humidity:

Operating — 10% to 85%

Non-operating — 5% to 90%

Relative Humidity Variance:

Operating — 20% per hr

Elevation:

Operating — 0 to 10,000 ft.

Non-operating — -1,000 to 12,000 ft. (-305 to 3656 meters)

Acoustical: 54 dBA

DC Voltage Requirements:

±10% 2.0 A typical

± 5% 0.165 A typical

Heat Dissipation = 92 BTU/hr (27 watts)

Mechanical Dimensions without faceplate (Nominal):

Height = 3.25 in. (82.6 mm)

Width = 5.75 in. (146.1 mm)

Depth = 8.00 in. (203.2 mm)

Weight (incl. faceplate) = 5.69 lbs (2.6 kg)

Reliability Specifications

Mean Time Between Failure: 12,000 typical usage

Preventive Maintenance: None required

Mean Time to Repair: 30 minutes

Component Life: 5 years

Error Rates:

Soft Read Errors: 1 per 10¹⁰ bits read

Hard Read Errors: 1 per 10¹² bits read

Seek Errors: 1 per 10⁶ seeks

Performance Specifications

Capacity

Unformatted

Per Drive 26.67 Mbytes

Per Surface 3.33 Mbytes

Per Track 10,406 bytes

Formatted (33 sectors/track)

Per Drive 23.59 Mbytes

Per Surface 2.95 Mbytes

Per Track 9.21 kbytes

Per Sector 512 bytes

Transfer Rate 5.0 Mbits/sec

Access Time (includes settling time)

Track to Track 18 msec

Average 90 msec

Maximum 215 msec

Average Latency

8.33 msec

Start Up Time (Typical)

12 sec

Functional Specifications

Rotational Speed 3,600 (+0, -72) rpm

Recording Density 8900 bpi

Track Density 360 tpi

Cylinders 320

Tracks 2560

Read/Write Heads 4

Disks 8

Index 4

Wangtek Series 5000

Streaming 1/4" Cartridge Tape Drive Specifications

Drive Performance

Capacity: 23 MB, 512 byte sectors

No. Recording Tracks: 4 tracks

Recording Mode: single track serpentine

Recording Code GCR (Group Code Recording)

Recording Density 8,000 bits/in.

Transfer Rate (Read/Write): 90 kbytes/sec.

Tape Motion: 90 ips streaming

Environmental (Operating)

Temperature: +5°C to +45°C

Relative Humidity: 20% to 80% non-condensing

Altitude: -2000 ft. to +15,000 ft.

Data Integrity

Read Error (Recoverable): less than 1 in 10⁹ bits

Read Error (Non-Recoverable): less than 1 in 10¹⁰ bits

Power

DC Voltage:

+12 VDC ±10% @ 1.6 amp (nominal)

+5 VDC ±5% @ 1.0 amp (max.)

Power Dissipation:

30 watts nominal

Physical Characteristics

5/4-Inch Form Factor

Depth: 8.0 in.

Width: 5.75 in.

Height: 1.625 in.

Weight: 3 lbs.

Cartridge Lock

positive lock prevents cartridge movement during operation

Front Loading

Media

1/4-Inch Tape Cartridge

555 ft. certified @ 10,000 bits/in.

Interface

Archive Compatible

Format

QIC 24

Pegasus 23 Specifications

Height 5.5"
Width 14"
Depth 14.5"

Weight 29 pounds with one hard disk
Power 110 Volts AC 60 Hz at 2 amps.

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